

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Richard F. Hellbaum et al.

Serial No.: 09/797,553

Filed: January 24, 1997



Examiner: Budd, M.

Art Unit: 2834

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PATENT TRADEMARK OFFICE

For: THIN LAYER COMPOSITE UNIMORPH FERROELECTRIC DRIVER
AND SENSOR

CERTIFICATE OF MAILING (37 CFR 1.8a)

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Date: 12/19/01Robin W. EdwardsRESPONSE

Assistant Commissioner for Patents
Washington, DC 20231

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OFFICE OF PETITIONS

Sir:

Responsive to the Office Action mailed June 19, 2001, please consider the following remarks:

REMARKS

Claims 17-24 stand rejected under 35 U.S.C. 103 as unpatentable over Corwin in view of Haertling or vice versa.

(1) The Examiner argues that it would have been obvious to one of ordinary skill in the art that the prestress layer could be attached to either the concave or convex side of the piezoelectric element. More specifically, the Examiner asserts



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NASA CASE NO.: LAR-15348-2

FILING DATE:

APPLICATION SERIAL NO.: 09/797,553

APPLICANT:

Richard F. Hellbaum

TITLE:

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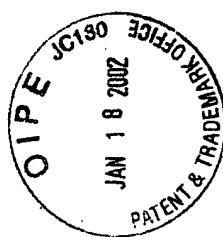
Response - 5 pgs.

Fee - \$920.00



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PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL
for FY 2002

Petent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT **(\$)**

Complete if Known

Application Number	09/797,553
Filing Date	January 24, 1997
First Named Inventor	Richard F. Hellbaum
Examiner Name	Budd M.
Group Art Unit	2834
Attorney Docket No.	LAR-15348-2

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account:

Deposit Account Number	14-0116
Deposit Account Name	NASA

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	920
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3) (\$)					

**or number previously paid, if greater; For Reissues, see above

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SUBTOTAL (3) (\$)

920.00

SUBMITTED BY

Complete if applicable

Name (Print/Type)	Robin W. Edwards	Registration No. (Attorney/Agent)	39,179	Telephone	864-3230
Signature	Robin W. Edwards			Date	12/19/01

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